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(54) **CELL BANDAGE**

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See application file for complete search history.

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(57) **ABSTRACT**

The invention provides a method for delivering cells across  
the surface of a tissue, the method comprising distributing  
the cells on and/or within a sheet of biomaterial to form a  
cell bandage and applying the cell bandage to the surface,  
wherein, after application of the cell bandage to the surface  
of the tissue, the cells are released from the cell bandage.  
Further provided is a method for bonding two or more  
tissues, the method comprising providing a cell bandage in  
intimate contact with the surfaces to be joined, wherein the  
cell bandage comprises a sheet of biomaterial, said bioma-  
terial having cells distributed on and/or within it. Also  
provided is a cell bandage for use in the methods of the  
invention.

**18 Claims, 16 Drawing Sheets**